

Converting Colors

XYZ(142.4147, 117.6391,
35.3461)

Have a look what the booklet for
XYZ(142.4147, 117.6391, 35.3461)
contains.

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Color

**XYZ(75.0662, 82.7832,
32.1010)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC7F
RGB	255, 236, 127
RGB Percent	100%, 93%, 50%
CMY	0.0000, 0.0745, 0.5019
CMYK	0.00, 0.07, 0.50, 0.00
HSL	51°, 100%, 75%
HSV	51°, 50%, 100%
XYZ	75.0662, 82.7832, 32.1010
YIQ	229.2550, 46.3130, -29.8710

Conversions

Conversions Part 2

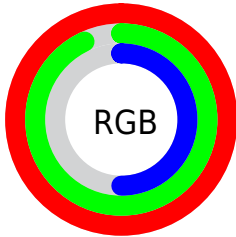
Format	Color
R_{YB}	149, 255, 127
Decimal	16772223
CIE _{Lab}	92.92, -7.31, 54.68
CIE _{LCh}	93, 55.166, 97.611
Yxy	82.7832, 0.3952, 0.4358
Android (android.graphics.Color)	4294962303 (0xFFFFE7F)
YUV	229.2550, -50.4117, 22.5784
Hunter-Lab	90.9853, -11.9552, 42.7713

Details

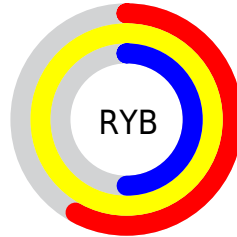
The XYZ color **75.0662, 82.7832, 32.1010** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.0810, 32.2888, 98.8854**, and the grayscale version is **75.0016, 78.9075, 85.9303**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **40.3222, 44.8727, 13.0147** is the 20% darker color. If you saturate the color by 10%, you get **72.5329, 80.0482, 24.0695**, and if you desaturate by 10%, it is **78.0471, 85.7403, 42.3582**.

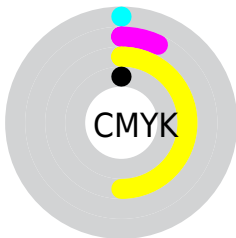
Distribution



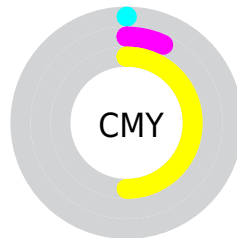
- Red (100%)
- Green (93%)
- Blue (50%)



- Red (58%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (7%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0662, 82.7832, 32.1010 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.0662, 82.7832, 32.1010 by changing the saturation by 10% instead.


 75.0662, 82.7832,
32.1010


 75.0662, 82.7832,
32.1010


467.1387,
504.2637, 326.0860


 55.9615, 62.0113,
21.1732


 125.3935,
137.2718, 64.0691

 40.4089, 45.0418,
13.0582


 157.3467,
171.7573, 85.9466

 28.0432, 31.4904,
7.3374


 194.3136,
211.5827, 112.3109

 18.4988, 20.9725,
3.5924

236.6594,
257.1326, 143.5808

 11.4105, 13.1039,
1.4045

284.7494,
308.7912, 180.1747

 6.4130, 7.5002,
0.1452

338.9491,

 3.1408, 3.7768,

366.9430, 222.5112

0.0000

399.6237,
431.9724, 271.0087

■ 1.2287, 1.5495,
0.0000

■ 0.1288, 0.3232,
0.0000

■ 75.0662, 82.7832,
32.1010

■ 75.0662, 82.7832,
32.1010

■ 72.5329, 80.0482,
24.0695

■ 78.0471, 85.7403,
42.3582

■ 70.4088, 77.5104,
18.0881

■ 81.4988, 88.9199,
54.9888

■ 68.6586, 75.1587,
13.9632

■ 85.4498, 92.3366,
70.1337

■ 67.2378, 72.9751,
11.4617

■ 89.9247, 96.0004,
87.9212

■ 66.0943, 70.9688,
10.2148

94.9463, 99.9207,
108.4711

95.0498, 99.9999,
108.9000

Harmonies

Analogous

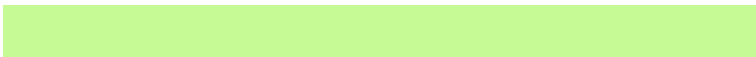
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7277, 82.7832, 34.8320



75.0662, 82.7832, 32.1010



62.9401, 82.7832, 40.7172

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.0662, 82.7832, 32.1010



58.6923, 82.7832, 147.8277



107.2164, 82.7832, 123.9057

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.0662, 82.7832, 32.1010



37.0810, 32.2888, 98.8854

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8537, 82.7832, 168.8444



75.0662, 82.7832, 32.1010



68.5839, 82.7832, 185.3418

Square

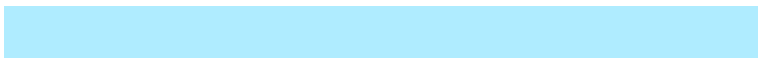
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0662, 82.7832, 32.1010



54.2681, 82.7832, 101.0725



82.4140, 82.7832, 194.0252



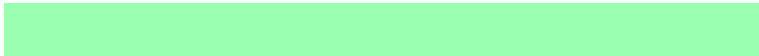
109.5020, 82.7832, 80.0199

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0662, 82.7832, 32.1010



57.5082, 82.7832, 53.9299



82.4140, 82.7832, 194.0252



104.5058, 82.7832, 139.7355

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.0682, 82.7871, 32.1027



87.7079, 94.2087, 79.0367



54.0337, 38.5211, 31.8642



18.5733, 20.0002, 16.1252



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

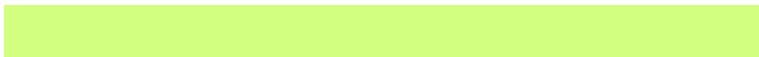
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.0682, 82.7871, 32.1027



72.5785, 80.0998, 24.2059



66.2264, 86.7833, 33.3401



19.3180, 20.6042, 19.1032



34.6231, 37.2575, 5.3666



3.4309, 3.7471, 0.5424

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37.0810, 32.2888, 98.8854



30.8256, 24.6369, 97.7385



42.6095, 31.1477, 98.3737



17.2205, 17.8126, 22.7805



9.8558, 4.6212, 49.8071



1.0210, 0.5727, 4.8700

Previews

White Background



This preview shows how the XYZ color 75.0662, 82.7832, 32.1010 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.0662, 82.7832, 32.1010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.0662, 82.7832, 32.1010

Background



This preview shows how black text looks on a background with the XYZ color 75.0662, 82.7832, 32.1010.



This preview shows how white text looks on a background with the XYZ color 75.0662, 82.7832,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.0662, 82.7832, 32.1010

Protanopia

76.3731, 82.8466, 40.3995

Deuteranopia

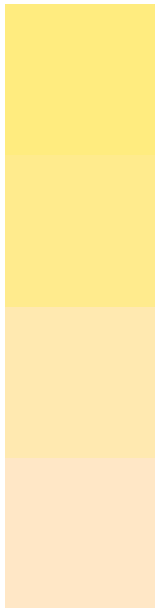
80.7150, 82.7715, 68.8491



Tritanopia

84.4160, 82.9199, 92.4448

Trichromacy



Original Color

75.0662, 82.7832, 32.1010

Protanomaly

75.7560, 82.5997, 37.1499

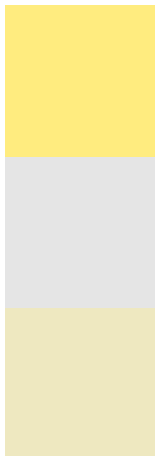
Deuteranomaly

78.2154, 82.6724, 52.9093

Tritanomaly

80.0090, 82.4890, 65.1311

Monochromacy



Original Color

75.0662, 82.7832, 32.1010

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.6309, 79.6961, 61.3713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0662, 82.7832, 32.1010 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 236, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 127)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 236, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 127) }
```

Border

The CSS property to change the border of an element to XYZ 75.0662, 82.7832, 32.1010 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 236, 127) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 236, 127) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 236, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0662, 82.7832, 32.1010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 127) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
236, 127) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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